Performance Data Sheet

AKA4460YXC

General Information

Model	AKA4460YXC	**Refrigerant**	R-134a
Test Condition	ARI	**Performance Test Voltage**	240V ~ 50HZ
Return Gas	18.3°C (65°F) RETURN GAS	**Motor Type**	CSIR

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	**90**	**100**	**110**	**120**	**130**	**140**
20	Btu/h	4380	3950	3560	3190	2810	2420	1980
	Watts	395	447	478	496	507	518	537
	Amps	3.09	3.21	3.26	3.28	3.28	3.29	3.32
	Lb/h	56.8	53.4	50.5	47.6	44.5	40.6	35.7
25	Btu/h	5030	4540	4100	3690	3300	2880	2440
	Watts	407	465	502	524	540	555	577
	Amps	3.16	3.29	3.37	3.40	3.42	3.43	3.47
	Lb/h	65.6	61.8	58.5	55.5	52.4	48.7	44.1
30	Btu/h	5740	5180	4680	4220	3790	3350	2890
	Watts	416	480	523	551	571	590	616
	Amps	3.19	3.35	3.44	3.50	3.53	3.56	3.60
	Lb/h	75.2	70.7	67.0	63.7	60.5	56.8	52.4
35	Btu/h	6530	5890	5310	4790	4310	3830	3340
	Watts	423	494	542	575	601	625	654
	Amps	3.19	3.38	3.50	3.58	3.63	3.67	3.73
	Lb/h	85.9	80.7	76.4	72.7	69.1	65.4	61.1
40	Btu/h	7430	6680	6030	5430	4880	4350	3820
	Watts	428	505	559	598	629	658	692
	Amps	3.16	3.38	3.54	3.65	3.72	3.79	3.86
	Lb/h	98.2	92.0	87.0	82.7	78.8	74.8	70.4
45	Btu/h	8450	7600	6840	6160	5530	4940	4360
	Watts	430	514	575	620	656	690	729
	Amps	3.11	3.38	3.57	3.71	3.81	3.90	4.00
	Lb/h	112	105	99.3	94.3	89.8	85.4	80.8
50	Btu/h	9620	8650	7780	7000	6290	5620	4970
	Watts	430	521	589	640	682	722	765
	Amps	3.05	3.36	3.59	3.76	3.90	4.02	4.14
	Lb/h	129	121	114	108	103	97.8	92.8
55	Btu/h	11000	9860	8870	7980	7170	6410	5680
	Watts	428	527	602	660	707	752	801
	Amps	2.98	3.34	3.61	3.83	4.00	4.15	4.30
	Lb/h	149	139	131	124	118	112	107

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	6.856077E+03	-1.446708E+03	-2.031889E+00	8.177849E+01
C2	2.252290E+02	-5.460992E+00	2.738592E-02	3.054527E+00
C3	-1.156345E+02	4.716599E+01	1.221510E-01	-1.644010E+00
C4	7.067369E-01	-1.125661E-01	-1.930496E-03	-4.376246E-03
C5	-1.960110E+00	1.707676E-01	6.738317E-04	-2.458728E-02
C6	9.478213E-01	-4.069310E-01	-1.104976E-03	1.602187E-02
C7	3.143653E-02	1.727589E-04	7.306134E-06	5.549966E-04
C8	-2.432013E-02	5.701042E-04	8.303527E-06	-2.829947E-04
C9	1.097733E-02	-4.705406E-04	-3.524224E-06	1.636385E-04
C10	-3.555852E-03	1.160212E-03	3.318076E-06	-6.311144E-05

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature